

1. A drill head for preparing the bone of two opposing intervertebral bodies to accept a predetermined shape of an endoprosthesis comprising: a form cutter having a profile capable of imparting a shape to the bone of intervertebral bodies which mates with the predetermined endoprosthesis surface shape; drive means for providing a driving force to the form cutter; and means for housing the form cutter and the drive means, wherein the profile of the form cutter is of a height capable of being admitted into the space between two opposing intervertebral bodies and the head can perform milling action in a direction angled away from the direction of head entry into a space between opposed bodies.

2. The drill head of claim 1 wherein the form cutter has a convex shape.

3. The drill head of claim 2 wherein the form cutter is provided with a beveled gearing surface.

4. The drill head of claim 2 wherein the form cutter is provided with a groove about its perimeter.

5. The drill head of claim 1 wherein the drive means comprises a drive shaft operatively coupling the form cutter to a drive source.

6. The drill head of claim 5 wherein a distal end of the drive shaft is provided with a pinion gear which cooperates with the form cutter to impart a rotary motion to the form cutter.

7. The drill head of claim 5 wherein a proximal end of the drive shaft is provided with a coupling

means for coupling the drive shaft to the drive source.

8. The drill head of claim 1 wherein the drive means comprises a belt operatively coupling the form cutter to a drive source.

9. The drill head of claim 8 wherein the belt loops about the perimeter of the form cutter.

10. The drill head of claim 8 wherein the drive means further comprises a drive shaft operatively coupled to the belt.

11. The drill head of claim 10 wherein the drive shaft is provided with a pulley about which the belt is looped.

12. The drill head of claim 11 wherein the drive shaft is further provided with a coupling means for coupling the drive shaft to the drive source.

13. The drill head of claim 1 wherein the housing is provided with attachment means for attaching the drill head to a drive source.

14. The drill head of claim 1 wherein the maximum height of the profile of the form cutter is approximately nine millimeters.

15. The drill head of claim 1 where in the cutter is provided with a cutting edge so as to give the

drill head the ability to cut in the direction of tool head entry into the space.

16. A drill head for preparing the bone of two opposing intervertebral bodies to accept the concaval-convex shape of an endoprosthesis comprising: a form cutter having a support shaft capable of imparting a concave shape to the bone of intervertebral bodies; drive means for providing a driving force to the form cutter, the drive means including a drive shaft; and means for housing the form cutter and the drive means, wherein the angle between the support shaft of the form cutter and the drive shaft is approximately 96.degree..

17. The drill head of claim 16 wherein the form cutter has a predetermined profile.

18. The drill head of claim 17 wherein the maximum height of the profile of the form cutter is approximately nine millimeters.